Claims

[c1]   What is claimed is:

1. A method for scanning data of an optical disk for viruses by an optical disk drive, the method comprising: reading the data of the optical disk; and comparing the data of the optical disk with a virus code stored in the optical disk drive to scan the data of the optical disk for viruses.

[c2]   2. The method of claim 1, further comprising storing the virus code into a first memory of the optical disk drive.

[c3]   3. The method of claim 1 further comprising storing the data of the optical disk into a second memory of the optical disk drive.

[c4]   4. The method of claim 1 wherein the data of the optical disk is stored in a sector.

[c5]   5. The method of claim 1 further comprising generating an alarm when the data of the optical disk matches the virus code in the first memory.

[c6]   6. The method of claim 1 further comprising stopping reading the data of the optical disk when the data of the

optical disk matches the virus code in the first memory.

[c7] 7. The method of claim 1 wherein the first memory is a non-volatile memory.

[c8] 8. The method of claim 3 wherein the second memory is a random access memory (RAM).

[c9] 9. An optical disk drive for reading data of an optical disk, the optical disk drive comprising:
a first memory for storing a virus code;
a second memory for storing data temporarily; and
a controller for controlling the data of the optical disk to be temporarily stored into the second memory, and comparing the data of the optical disk stored in the second memory and the virus code stored in the first memory to scan the data of the optical disk for viruses.

[c10] 10. The optical disk drive of claim 9, wherein the first memory is a non-volatile memory.

[c11] 11. The optical disk drive of claim 9, wherein the second memory is a random access memory (RAM).